

Title (en)
ROLL ARRANGEMENT HAVING A DEVICE FOR REGULATING THE ROLL NIP, AND METHOD FOR REGULATING THE ROLL NIP IN A ROLL ARRANGEMENT

Title (de)
WALZENANORDNUNG MIT EINER EINRICHTUNG ZUR REGELUNG DES WALZENSPALTES SOWIE VERFAHREN ZUR REGELUNG DES WALZENSPALTES IN EINER WALZENANORDNUNG

Title (fr)
SYSTEME DE CYLINDRES DOTE D'UN DISPOSITIF DE REGLAGE DE LA FENTE DE LAMINAGE AINSI QUE PROCEDE DE REGLAGE DE LA FENTE DE LAMINAGE CHEZ UN SYSTEME DE CYLINDRES

Publication
EP 2701858 A1 20140305 (DE)

Application
EP 12719897 A 20120404

Priority
• DE 102011018874 A 20110428
• DE 2012000362 W 20120404

Abstract (en)
[origin: CA2834161A1] A roll arrangement having a device for regulating the roll nip, comprising a roll pair which consists of an upper roll (10) and a lower roll (20), between which a roll nip (30) is formed, wherein each roll (10, 20) is provided with two roll journals (12; 22) which lie axially diametrically opposite one another; at least two bearing blocks (18, 18'; 28, 28') for each roll journal (12; 22), wherein one or more bearings are received in a bearing block; and a bearing block (18', 28'), which lies in each case on the outside on the roll journal, in a clamping latch (16; 26) which has a first lever arm (161, 261) and a second lever arm (162, 262), wherein the second lever arm (162) of the respective clamping latch (16) of the upper roll (10) and the second lever arm (262) of the respective clamping latch (26) of the lower roll (20) are connected to one another via a first actuating element (34); mutually corresponding bearing jewels (14, 24) and clamping latches (16, 26) of the upper roll (10) and the lower roll (20) lie opposite one another; and a controller which acts on the first and the second actuating element (34, 36), is characterized in that the bearing block (18, 28) which lies in each case on the inside on the roll journal is arranged in a bearing jewel (14; 24), and the first lever arm (161) of the clamping latch (16) of the upper roll (10) and the first lever arm (261) of the clamping latch (26) of the lower roll (20) are connected rigidly to one another, and bearing jewels (14, 24), which lie opposite one another, of the upper roll (10) and the lower roll (20) are connected to one another via the second actuating element (36).

IPC 8 full level
B21B 37/62 (2006.01); **B21B 37/64** (2006.01); **H01M 4/04** (2006.01)

CPC (source: EP US)
B21B 31/07 (2013.01 - EP US); **B21B 37/62** (2013.01 - EP US); **B21B 37/64** (2013.01 - EP); **B21B 31/02** (2013.01 - EP); **B21B 31/028** (2013.01 - EP US); **B21B 31/04** (2013.01 - EP); **B21B 31/32** (2013.01 - EP US); **B21B 37/38** (2013.01 - US); **H01M 4/0435** (2013.01 - EP); **H01M 4/662** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2012146226A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011018874 B3 20120830; AU 2012247889 A1 20131114; AU 2012247889 B2 20160721; CA 2834161 A1 20121101; CA 2834161 C 20160726; EP 2701858 A1 20140305; EP 2701858 B1 20150916; ES 2553233 T3 20151207; HK 1195284 A1 20141107; JP 2014518951 A 20140807; JP 5908064 B2 20160426; PL 2701858 T3 20160229; RU 2013152646 A 20150610; RU 2579402 C2 20160410; US 2014109642 A1 20140424; US 9156071 B2 20151013; WO 2012146226 A1 20121101

DOCDB simple family (application)
DE 102011018874 A 20110428; AU 2012247889 A 20120404; CA 2834161 A 20120404; DE 2012000362 W 20120404; EP 12719897 A 20120404; ES 12719897 T 20120404; HK 14108522 A 20140820; JP 2014506755 A 20120404; PL 12719897 T 20120404; RU 2013152646 A 20120404; US 201213261761 A 20120404